THE PENDING CLAIMS

1. (Previously Presented) A multilayer article comprising,

a metal substrate,

a first layer comprising an inner and outer surface,

said first layer comprising a glass composition,

a first intermediate layer having an inner and outer surface, and said first intermediate layer is located between the substrate and the first layer, said first intermediate layer comprises a glass composition,

wherein each said glass composition comprises,

44.2 to 67.7 wt% SiO2, 10.1 to 23.4 wt% CaO, 5.7 to 13.3 wt% MgO, 10.3 to 23.6 wt% Na_2O, 2.2 to 6.5 wt% K_2O and 6.0 wt% P_2O_5,

and contains hydroxyapatite particles in an amount of up to 50 wt%.

2-4. (Canceled).

5. (Previously Presented) The multilayer article of claim 1,

wherein there is a second intermediate layer located between the first intermediate layer and the substrate,

said first layer, first intermediate layer and said second intermediate layer all comprising a glass composition as defined in claim 1,

wherein the hydroxyapatite concentration is highest in the first layer, lowest in the second intermediate layer, and present in the first intermediate layer in an amount that is in between the first layer and the second intermediate layer.

6-7. (Canceled).

8. (Previously Presented) The multilayer article of claim 1,

wherein the substrate is Ti or Ti_6Al_4V.

9. (Previously Presented) The multilayer article of claim 1,

wherein the glass composition in the first layer comprises about 54.5 wt% SiO_2, about 15 wt% CaO, about 8.5 wt% MgO, about 12.0 wt% Na_2O, about 4.0 wt% K_2O and about 6.0 wt% P_2O_5,
and the glass composition in the first intermediate layer comprises about 61.1 wt% SiO_2, about 12.6 wt% CaO, about 7.2 wt% MgO, about 10.3 wt% Na_2O, about 2.8 wt% K_2O and about 6.0 wt% P_2O_5,
and the substrate is Ti or Ti_6Al_4V.

10. (Previously Presented) The multilayer article of claim 1,
wherein the glass composition in the first layer comprises about 52.7 wt% SiO_2, about 12.6 wt% CaO, about 7.1 wt% MgO, about 17.0 wt% Na_2O, about 4.6 wt% K_2O and about 6.0 wt% P_2O_5,
and the glass composition in the first intermediate layer comprises:
about 56.5 wt% SiO_2, about 15 wt% CaO, about 8.5 wt% MgO, about 11.0 wt% Na_2O, about 3.0 wt% K_2O and about 6.0 wt% P_2O_5,
and the substrate is Ti or Ti_6Al_4V.

11. (Previously Presented) The multilayer article of claim 1,
wherein the glass composition in the first layer and the first intermediate layer comprise about 56.5 wt% SiO_2, about 15 wt% CaO, about 8.5 wt% MgO, about 11.0 wt% Na_2O, about 3.0 wt% K_2O and about 6.0 wt% P_2O_5 and the hydroxyapatite amount in the first layer is 50 wt%,
and the substrate is Ti or Ti_6Al_4V.

12. (Previously Presented) The multilayer article of claim 5,
wherein the glass composition in the first layer, the first intermediate layer and the second intermediate layer each comprise about 61.1 wt% SiO_2, about 12.6 wt% CaO, about 7.2 wt% MgO, about 10.3 wt% Na_2O, about 2.8 wt% K_2O and about 6.0 wt% P_2O_5 and the hydroxyapatite amount in the first layer comprises 50 wt%
and the substrate is Ti or Ti_6Al_4V.

13-19. (Canceled).

20. (Previously Presented) A multilayer article comprising,

a metal substrate comprising Ti or Ti_6Al_4V,

n intermediate layers, where n is an integer,

a first layer comprising an inner and outer surface,

said n intermediate layers disposed between the metal substrate and the first layer,

wherein the n intermediate layers and the first layer each independently comprise a glass/hydroxyapatite admixture comprising a glass composition and hydroxyapatite particles (HA),

said glass composition comprising,

about 44.2 to about 67.7 wt% SiO_2, about 10.1 to about 23.4 wt% CaO, about 5.7 to about 13.3 wt% MgO, about 10.3 to about 23.6 wt% Na_2O, about 2.2 to about 6.5 wt% K_2O and about 6.0 wt% P_2O_5,

and wherein said hydroxyapatite particles being present in the glass/hydroxyapatite admixture in an amount of up to 50 wt%.

21. (Previously Presented) The multilayer article of claim 20, wherein:

the first layer has a glass composition which has a SiO_2 content between about 53 to about 57 wt%.

22. (Previously Presented) The multilayer article of claim 21, wherein:

n=2.

23. (Previously Presented) The multilayer article of claim 1, wherein:

the first layer has a glass composition which has a SiO_2 content between about 53 to about 57 wt%.

24. (Previously Presented) The multilayer article of claim 23, wherein:

n=2.

25. (Previously Presented) The multilayer article of claim 20, wherein:
the first layer has a glass composition which has a SiO_2 content between about 56 to about 67.7 wt%.

26. (Previously Presented) The multilayer article of claim 25, wherein:
n=2.

27. (Previously Presented) The multilayer article of claim 1, wherein:
the first layer has a glass composition which has a SiO_2 content between about 56 to about 67.7 wt%.

28. (Previously Presented) The multilayer article of claim 27, wherein:
n=2.

29. (Canceled).

30. (Previously Presented) The multilayer article of claim 1,
wherein there is a second intermediate layer located between the first intermediate layer and the substrate,
said first layer, first intermediate layer and said second intermediate layer all comprising a glass composition as defined in claim 1,
wherein the SiO_2 concentration is lowest in the first layer, highest in the second intermediate layer, and present in the first intermediate layer in an amount that is in between the first layer and the second intermediate layer.